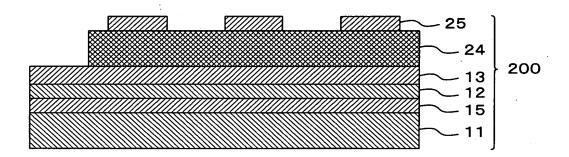
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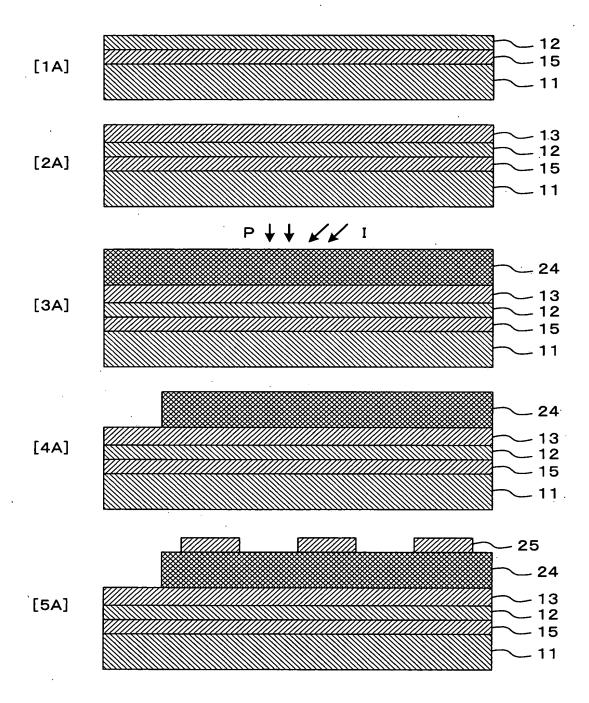
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FIG.1

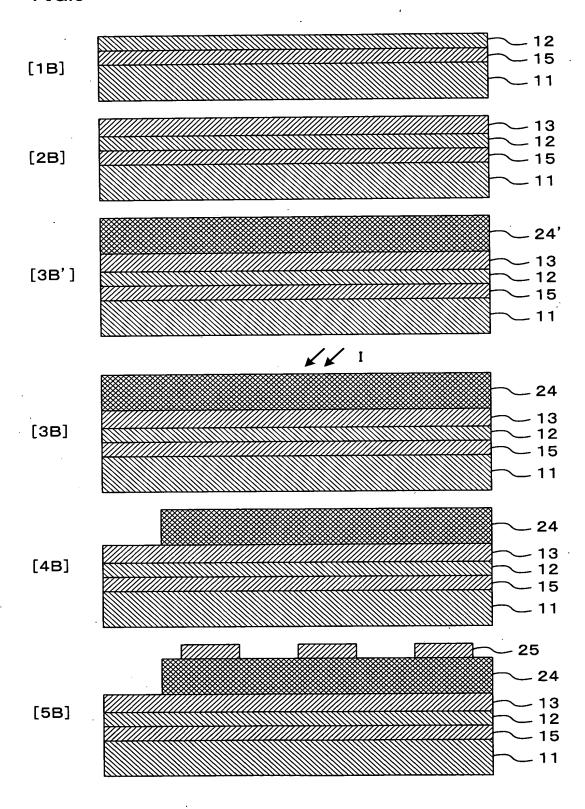


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FIG.2



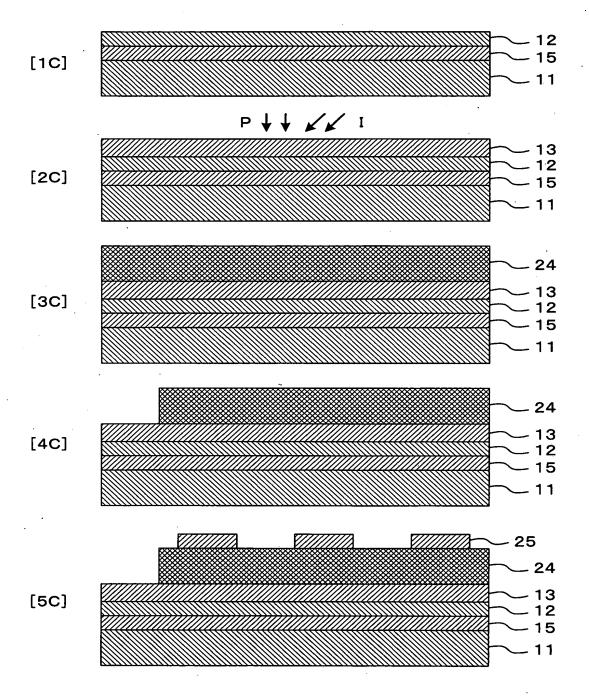
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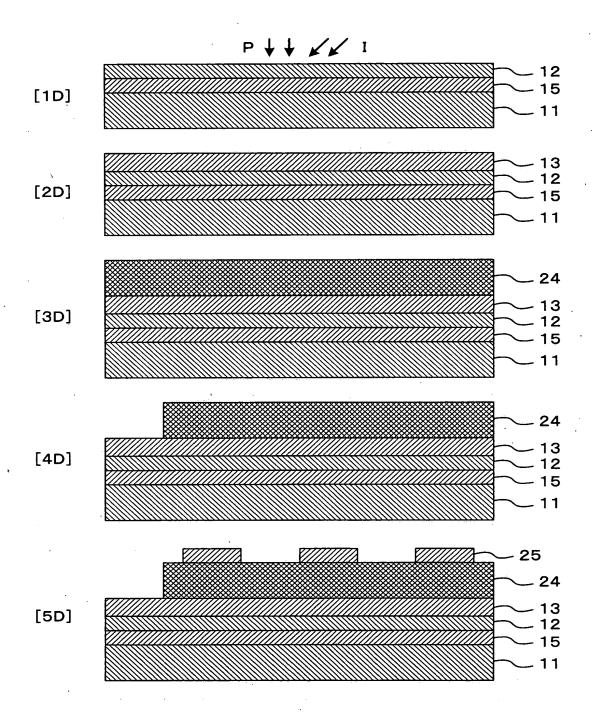
FIG.4



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FIG.5

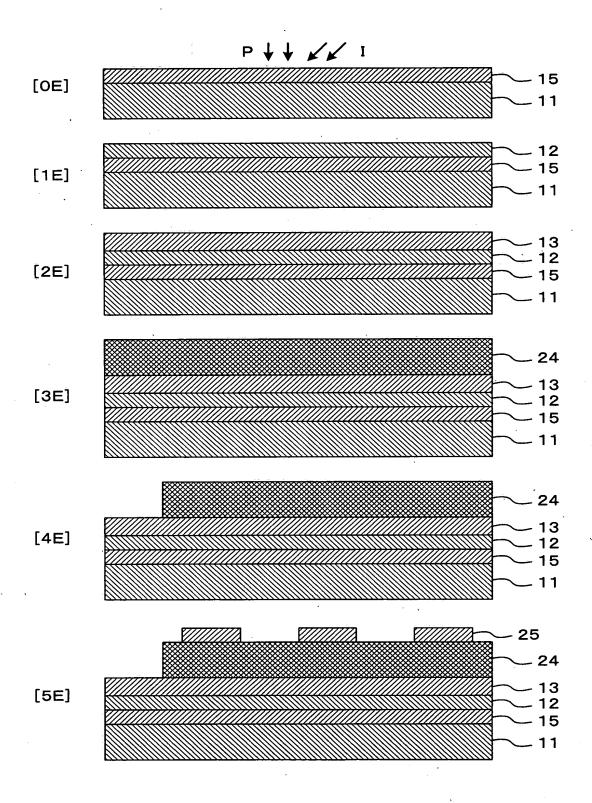


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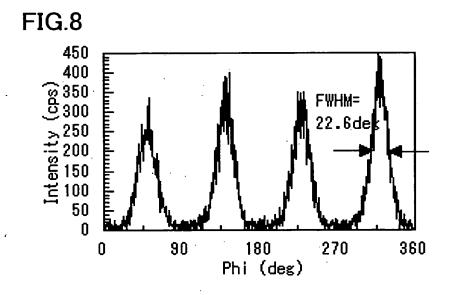




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FIG.7

600
500
400
400
4300
100
0
90
180
270
360
Phi (deg)

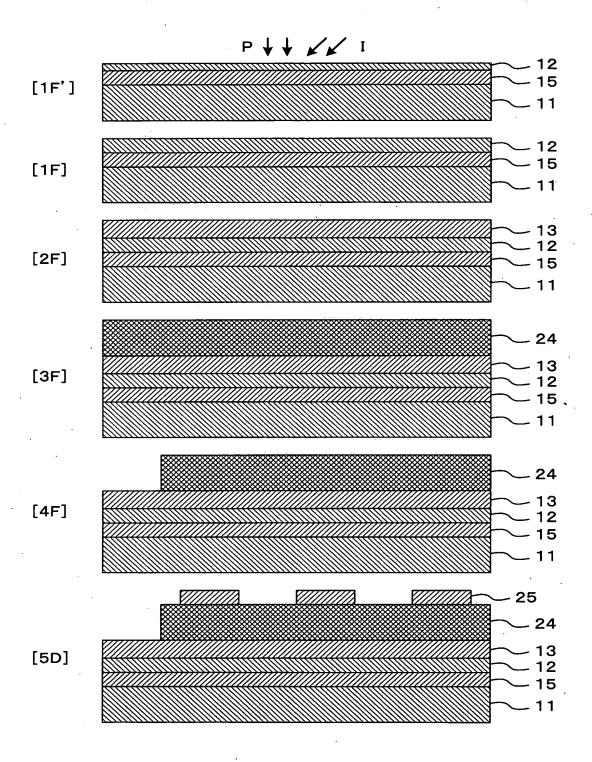


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FIG.9

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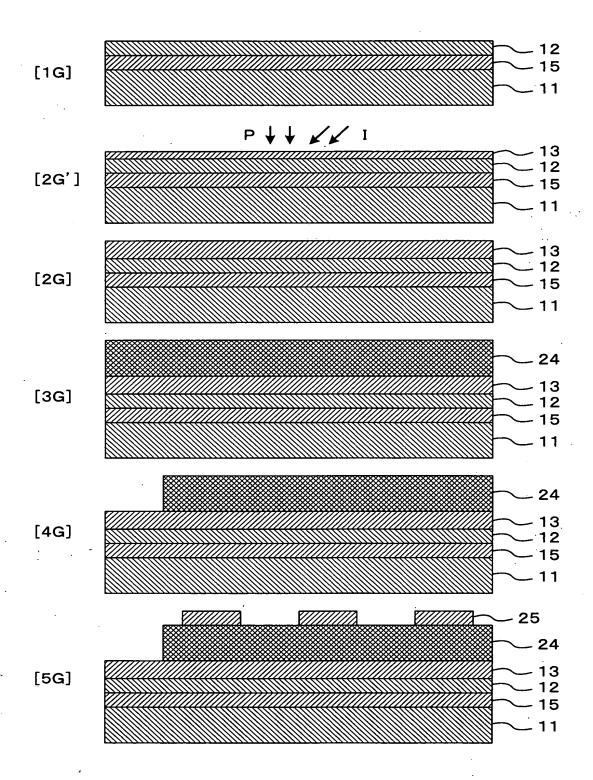


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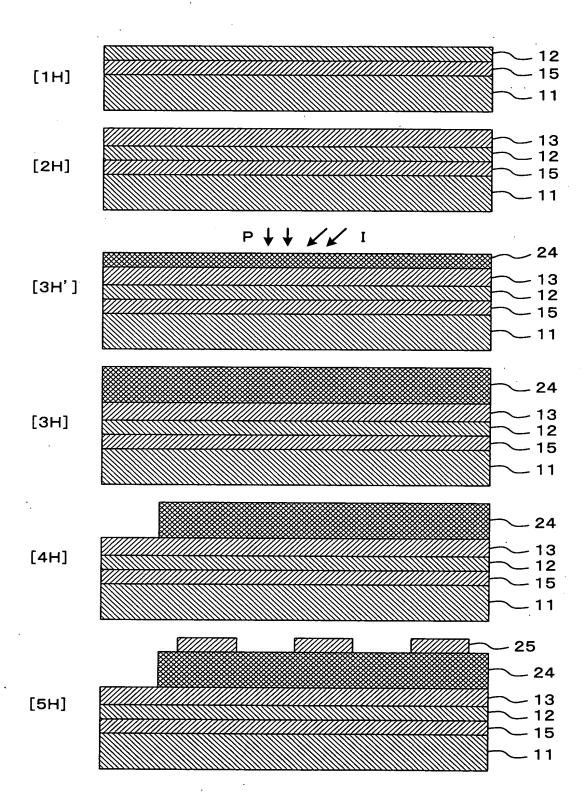
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<sup>e</sup>FIG.10



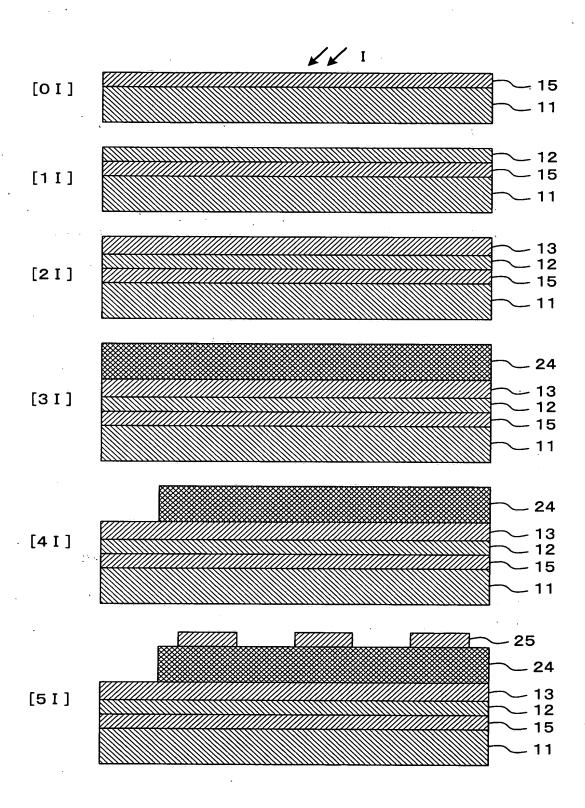
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**FIG.11** 



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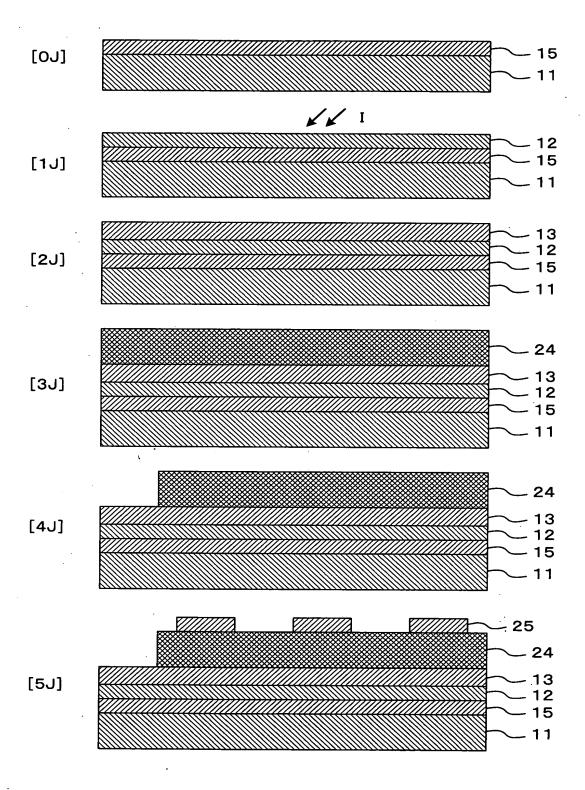
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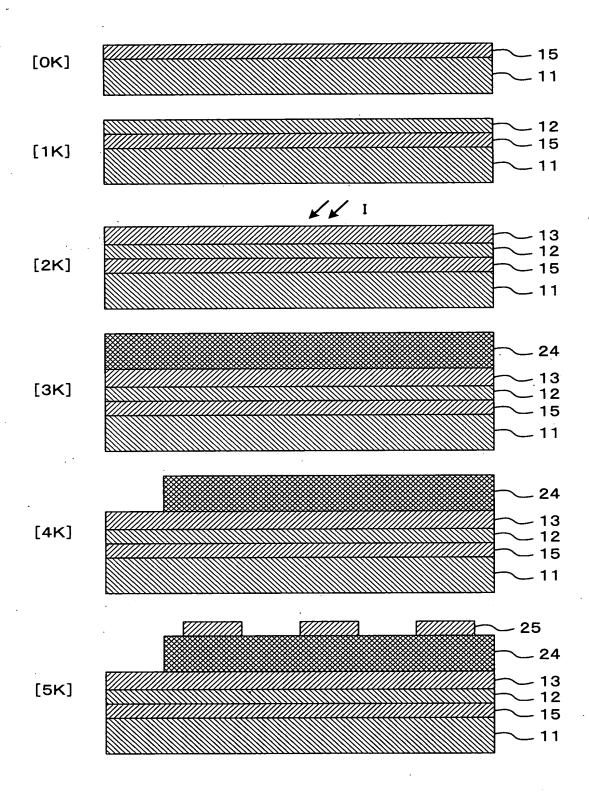
`FIG.13



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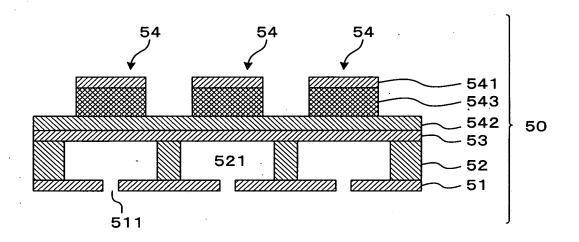
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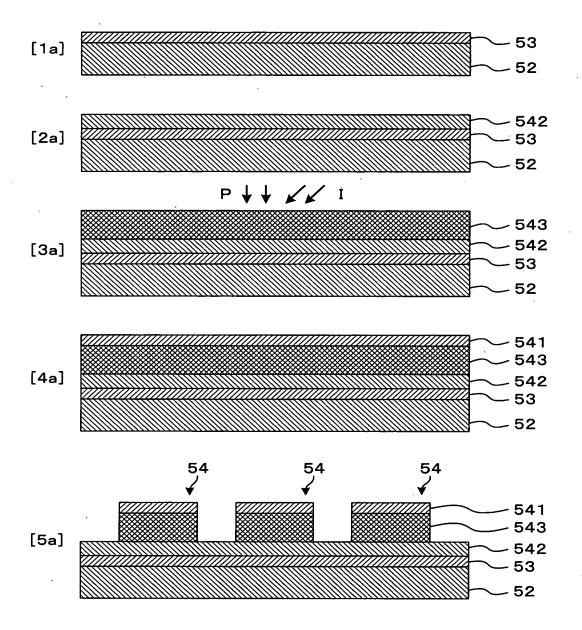
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FIG.15



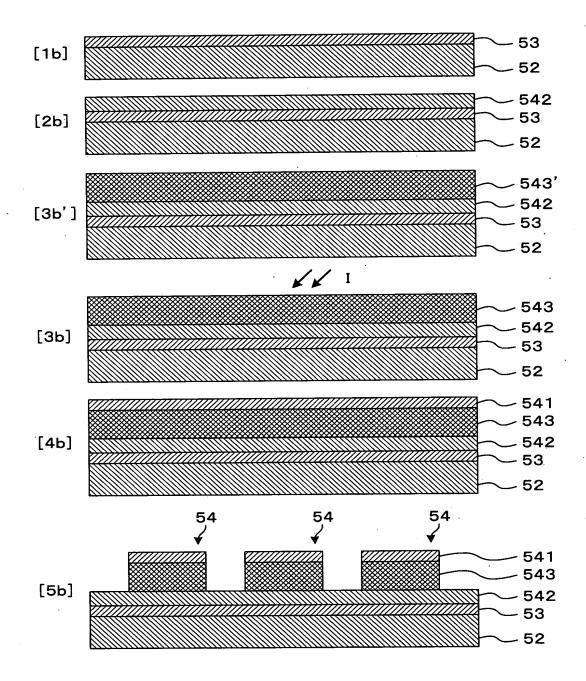
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Takamitsu HIGUCHI, et al. Q78440 PIEZOELECTRIC DEVICE... Filing Date: November 12, 2003 Darryl Mexic 202-663-7909

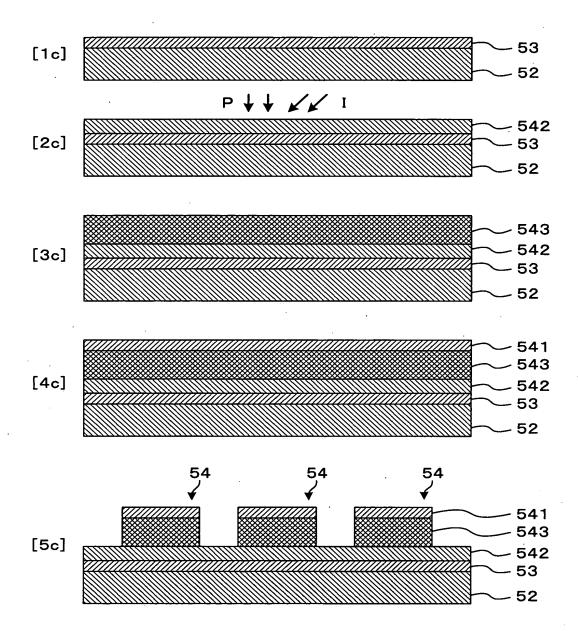
FIG.17



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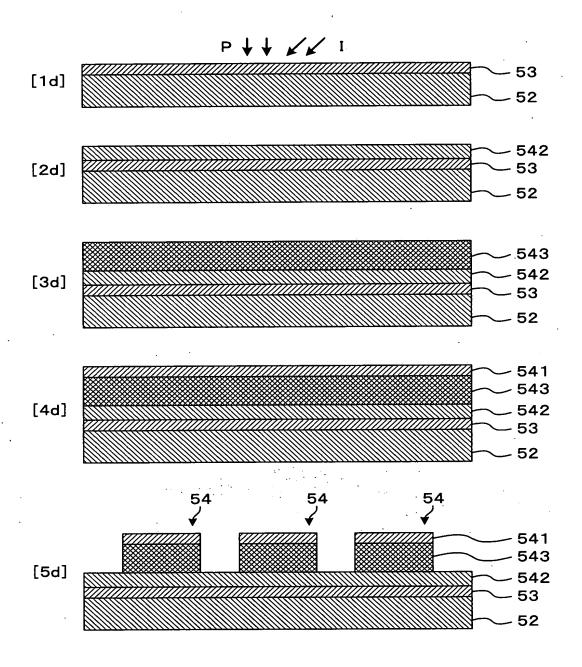
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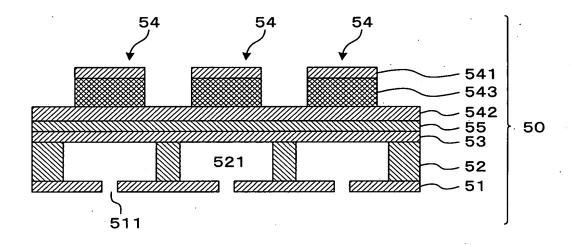
//of 3-1-

FIG.19



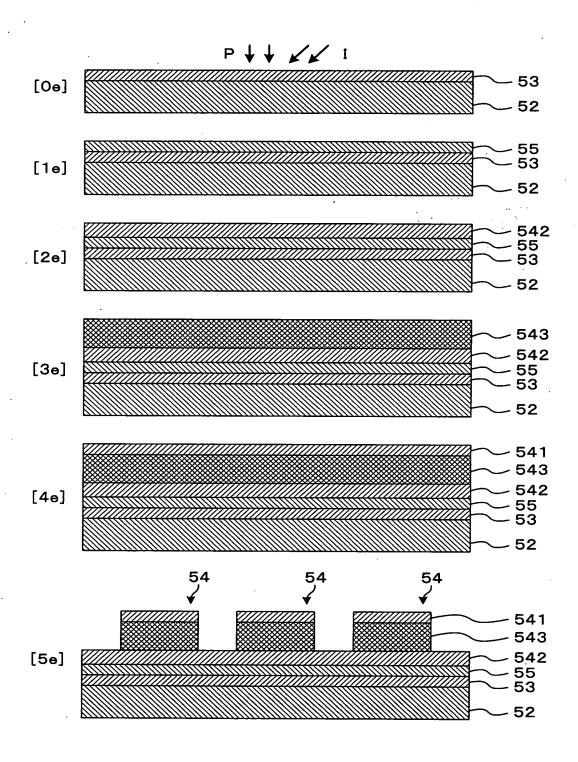
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**FIG.20** 

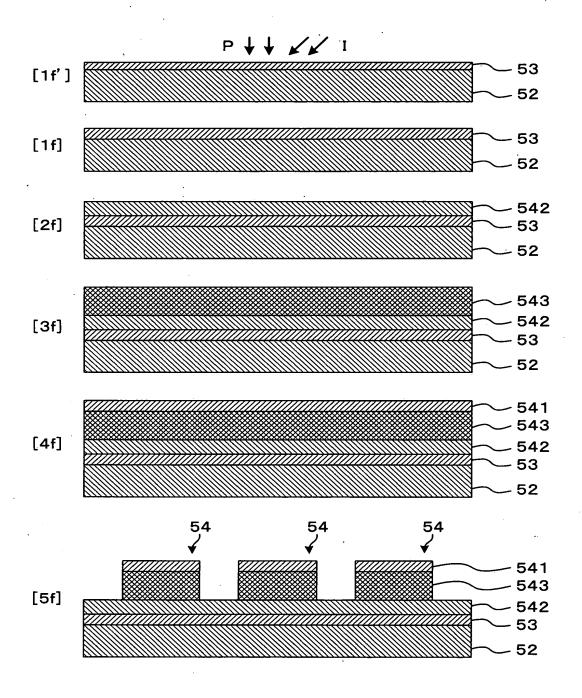


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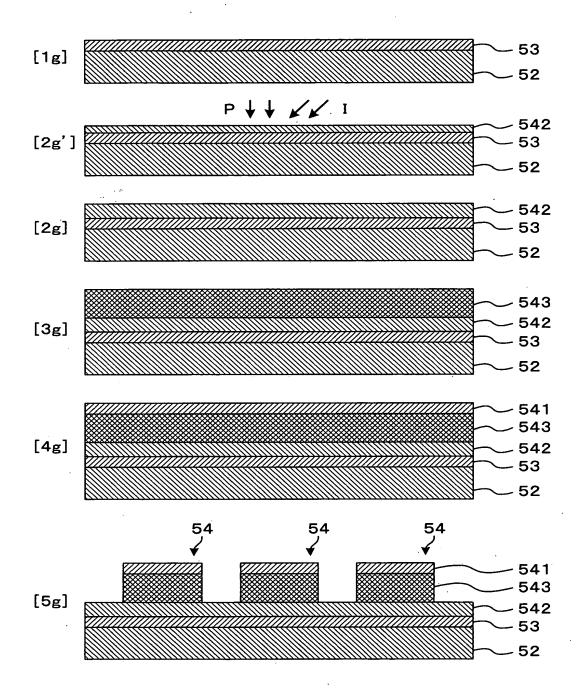
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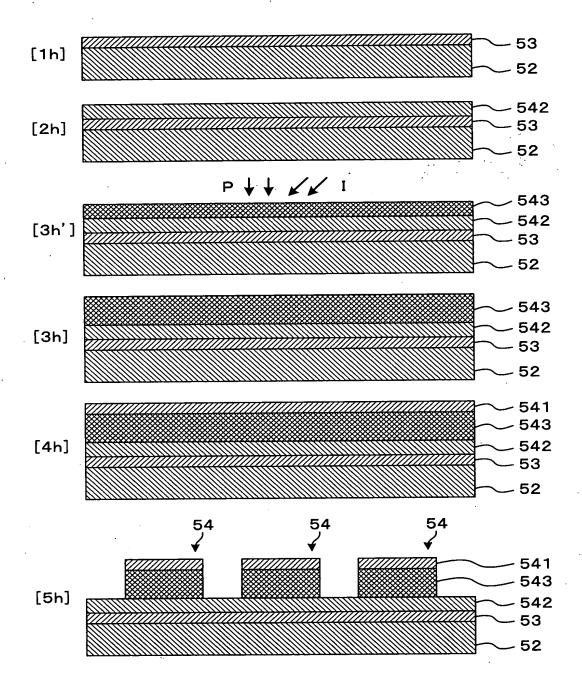


Takamitsu HIGUCHI, et al. Q78440 PIEZOELECTRIC DEVICE...

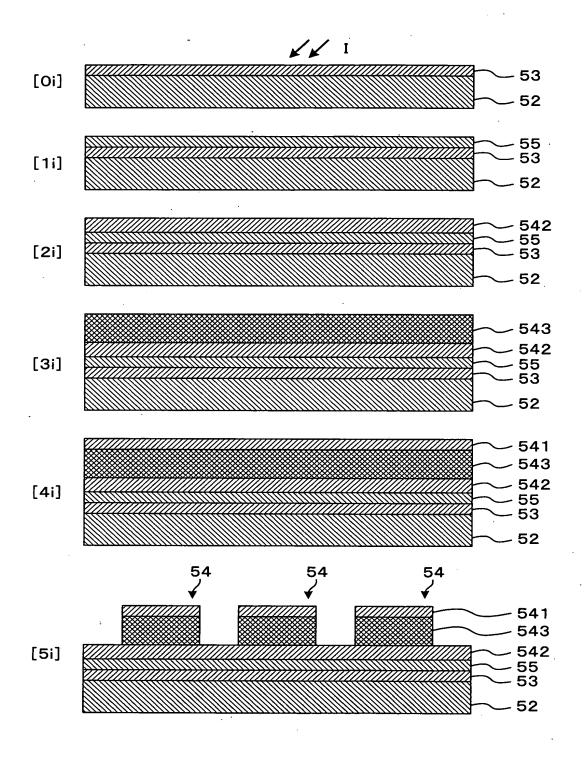
Filing Date: November 12, 2003

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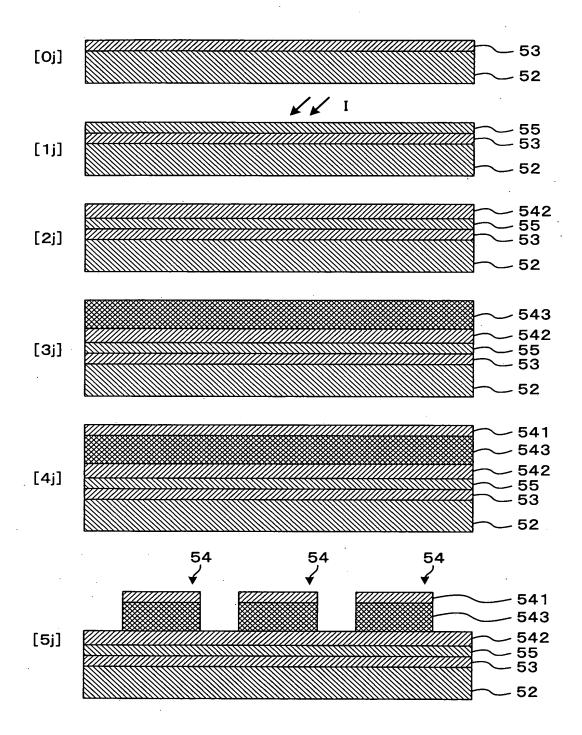
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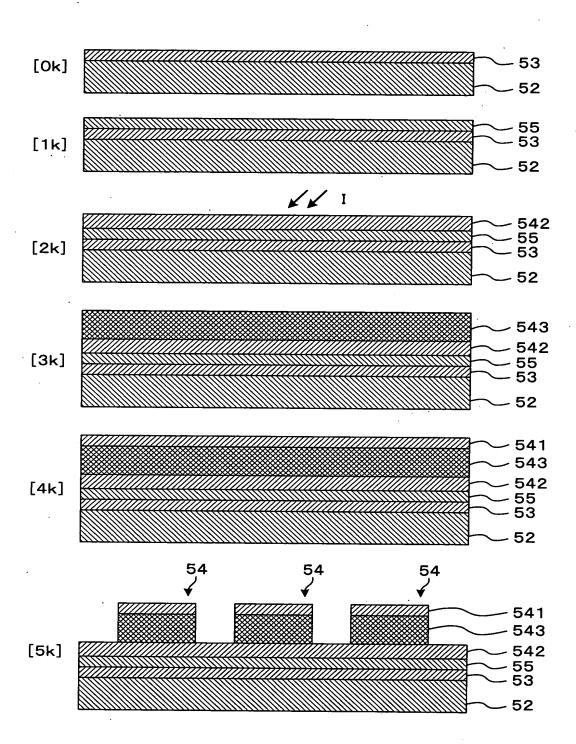
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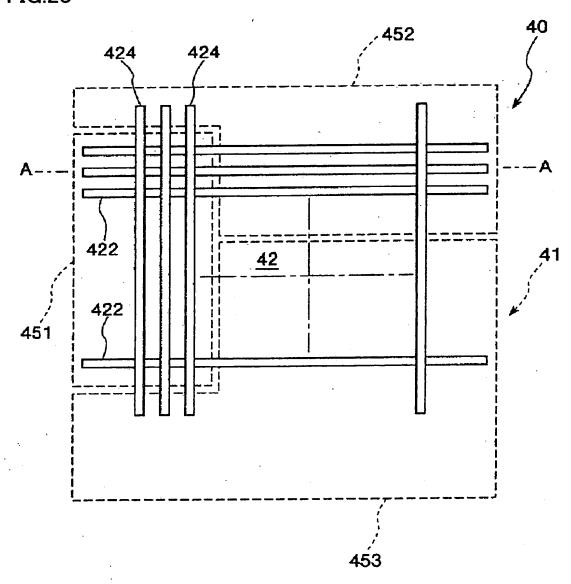
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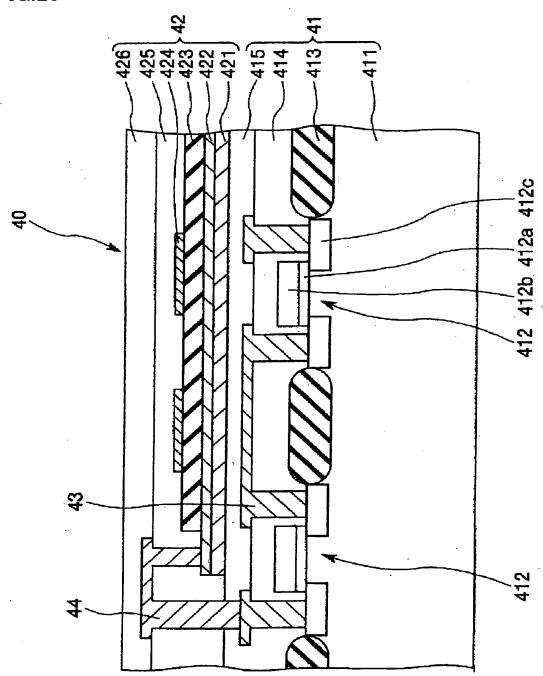
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**FIG.28** 



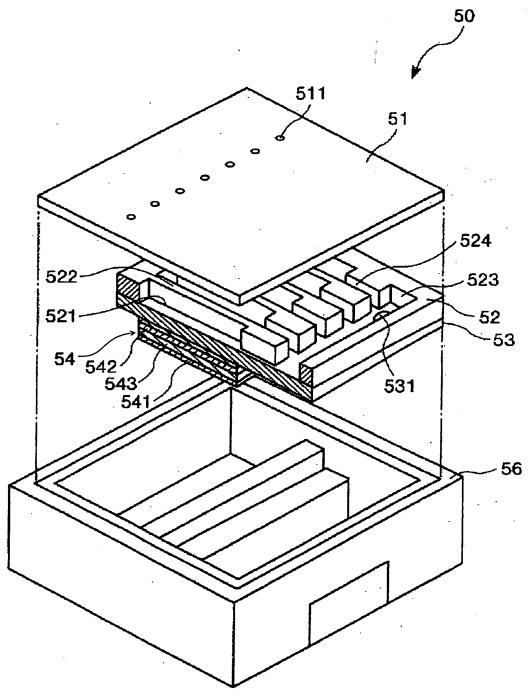
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FIG.29



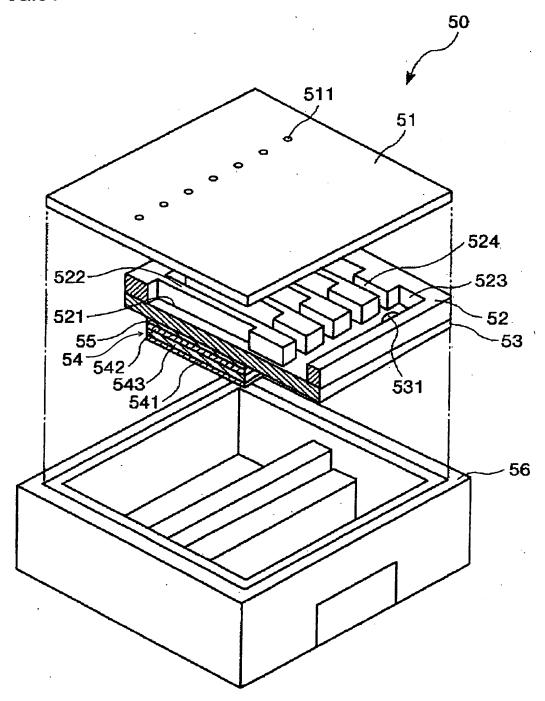
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FIG.30



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**FIG.31** 



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**FIG.32** 

